Amendments to the Claims under Revised 37 C.F.R. § 1.121

Claim 1 (previously presented): A reagent for detecting human papilloma virus DNA in a cell sample which indicates the patient providing the cell sample is at risk for cancer comprising a plurality of viral genomic HPV DNA probes that detectably hybridize to DNA from a plurality of carcinogenic HPV types but do not detectably hybridize to DNA from non-carcinogenic HPV types.

Claim 2 (previously presented): The reagent of claim 1 wherein the viral genomic DNA probes hybridize to HPV types 16, 18, 31, 33, 35 and 51 but not to HPV types 6, 11, 41, 42, 43 and 44.

Claim 3 (previously presented): The reagent of claim 2 wherein the viral genomic DNA probes also hybridize to HPV types 39, 45, 52, 56, 58, 59, 68 and 70.

Claim 4 (cancelled).

Claim 5 (previously presented): The reagent of claim 1 wherein the viral genomic DNA probes are full length HPV probes.

Claim 6 (previously presented): The reagent of claim 1 consisting essentially of viral genomic DNA probes to HPV types 16, 18, 31, 33, 35 and 51.

Claim 7 (previously presented): The reagent of claim 6 wherein the viral genomic DNA probes are present in the reagent in the following proportions: HPV 16 - 8.3%, HPV 18 - 20.8%, HPV 31 - 8.3%, HPV 33 - 20.8%, HPV 35 - 20.8%, and HPV 51 - 20.8%.

Claim 8-16 (cancelled).

Claim 17 (original): A kit for detecting high and intermediate risk human papilloma virus DNA in a sample comprising a container containing the reagent of claim 1.

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Claim 18 (original): A kit for detecting high and intermediate risk human papilloma virus DNA in a sample comprising a container containing the reagent of claim 2.

Claim 19 (original): A kit for detecting high and intermediate risk human papilloma virus DNA in a sample comprising a container containing the reagent of claim 3.

Claim 20 (original): A kit for detecting high and intermediate risk human papilloma virus DNA in a sample comprising a container containing the reagent of claim 5.

Claim 21 (original): A kit for detecting high and intermediate risk human papilloma virus DNA in a sample comprising a container containing the reagent of claim 6.

Claim 22 (original): A kit for detecting high and intermediate risk human papilloma virus DNA in a sample comprising a container containing the reagent of claim 7.

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